

# Leah Behrmann, PharmD, BCPS, BCCCP

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## EDUCATION

**PGY-2 Critical Care Pharmacy Residency Non-Traditional, ASHP Accredited** Jan 2019 – July 2020

Centura St. Anthony Hospital  
Lakewood, CO

Program Director: Joanne Smith, PharmD, BCCCP

**PGY-1 Pharmacy Residency, ASHP Accredited** June 2017 – July 2018

Centura Penrose-St. Francis Hospital  
Colorado Springs, CO

Program Director: Jan Holley, BS Pharm, PharmD, BCPS, BCNSP

**Doctor of Pharmacy** Aug 2013 – May 2017

University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences  
Aurora, CO

**Bachelor of Science, Magna Cum Laude** Aug 2009 – Dec 2012

Major: Biology  
University of Colorado Denver  
Denver, CO

## PHARMACY WORK EXPERIENCE

**Assistant Professor, Department of Pharmacy Practice** Jan 2022 - Current

Regis University School of Pharmacy  
Denver, CO

Supervisor: Marta Brooks, PharmD, MS

**Emergency Department Clinical Pharmacy Specialist** April 2021 – Dec 2021

UCHealth Memorial Hospital Central  
Colorado Springs, CO

Supervisor: Chris Martin, PharmD, MS

**Clinical Pharmacist, PRN** June 2020 – April 2021

St. Anthony Hospital  
Lakewood, CO

Supervisor: Eric Whittenburg, PharmD, BCCCP

**Critical Care Clinical Pharmacist** March 2019 – July 2020

St. Anthony Hospital  
Lakewood, CO

Supervisor: Eric Whittenburg, PharmD, BCCCP

**Clinical Pharmacist, PRN** July 2018 – Current

Littleton Adventist Hospital  
Littleton, CO

Supervisor: Eric Smith, PharmD

**Affiliate Faculty** Aug 2018 – Dec 2021

Regis University School of Pharmacy  
Denver, CO

Supervisor: Marta Brooks, PharmD, MS

**Clinical Pharmacist**

Centura Penrose Hospital  
 Colorado Spring, CO  
 Supervisor: Megan Short, PharmD, BCIDP

Sept 2017 – July 2018

**TEACHING & PRECEPTING EXPERIENCE****Regis University School of Pharmacy**

## Integrated Pharmacotherapy (IP)

- IP 11: *C. difficile* and Travel Medicine (6 contact hours) 2022
- IP 11: Sepsis and Septic Shock (8 contact hours)
- IP 11: Nutrition (8 contact hours)
- IP 8: Osteoporosis (6 contact hours)
  
- IP 9: Alcohol use disorder and Cirrhosis Review (6 contact hours) 2021
- IP 9: Chronic obstructive pulmonary disorder (4 contact hours)
- IP 9: Thyroid disorders (6 contact hours)
- IP 5: Portal Hypertension and Cirrhosis (7 contact hours)
  
- IP 5: Hypertension Part II (6 contact hours) 2020
- IP 11: Sepsis and shock unit (6 contact hours)
- IP 12: Capstone soft skin and tissue infection and urinary tract infection cases
  
- IP 11: Inflammatory bowel disease unit (4 contact hours) 2019
  
- IP 2: Acute kidney injury unit (10 contact hours) 2018
- IP 5: Anemia unit (8 contact hours)
- IP 10: Viral hepatitis (6 contact hours)
- IP 10: Peptic ulcer disease – Gastrointestinal Bleeds (6 contact hours)

## Integrated Pharmacy Laboratory

- Spirometry & peak flow 2017
- Cholesterol, A1C, glucose
- Patient counseling
- Sterile compounding III

## Interprofessional Education (IPE)

- Heart failure simulation lab (4 contact hours) 2022
  
- Stroke 2017
- End of life
- Pain management

## Professional Development (PD)

- PD 2: Student Seminar (2-3 contact hours) 2022

**University of Colorado School of Pharmacy Teaching**

Pharmacotherapy Verbal Evaluation Facilitation

2017

**St. Anthony Hospital Precepting**

PGY1 Pharmacy Residents: MICU (2)  
 Regis University: MICU APPE students (1)  
 University of Colorado MICU APPE students (1)

2019-2020

**Littleton Adventist Hospital**

Regis University: Internal medicine APPE students (4)

2018 -- present

**Penrose-St. Francis Hospital**

2017 -- 2018

Regis University: Health system and transitions of care APPE students (5)

University of Colorado: Health system and transitions of care APPE students (5)

**RESEARCH**

**Behrmann L**, Miller CJ, Whittenburg E, Clark B, "Phenobarbital in Addition to Standard of Care in Refractory Alcohol Withdrawal," Critical care pharmacy residency longitudinal project. St. Anthony Hospital. March 2019. *Primary Investigator.*

**Behrmann L**, Strauch J, Simpson A, Kleiner B, Short M, "A Multidisciplinary Approach to Reducing *Clostridium difficile* Incidence in an Acute Care Hospital System," Pharmacy practice residency longitudinal project, Penrose-St. Francis Hospital. July 2018. *Primary investigator.*

Kluemper A, Heath L, Loeb D, Kroehl M, **Behrmann L**, Trinkley K, "Effect of Primary Care Provider Stigma on Appropriate Follow Up PHQ-9 Administration," University of Colorado Hospital. *Co-investigator.*

**POSTER PRESENTATIONS**

**Behrmann L**, Miller CJ, Whittenburg E, Clark B, "Phenobarbital in Addition to Standard of Care in Refractory Alcohol Withdrawal," Poster presented at 2019 ASHP Midyear Clinical Meeting. Dec 2019

**Behrmann L**, Strauch J, Simpson A, Kleiner B, Short M, "A Multidisciplinary Approach to Reducing *Clostridium difficile* Incidence in an Acute Care Hospital System," Poster presentation at 2017 ASHP Midyear Clinical Meeting. Dec 2017

**REGIONAL AND NATIONAL PRESENTATIONS**

**Phenobarbital in Addition to Standard of Care in Refractory Alcohol Withdrawal.** Presentation submitted for virtual review at Mountain States Conference. May 2020

**Bumetanide: A Cost-Avoidance Study.** Presentation at research snapshot at 49<sup>th</sup> Society of Critical Care Medicine Conference. Feb 2020

**The Reevaluation of Systemic Early Neuromuscular Blockade,** Formal national journal club webcast to pharmacy residents and clinical pharmacists, Catholic Health Initiatives. Nov 2019

**A Multidisciplinary Approach to Reducing *Clostridium difficile* Incidence in an Acute Care Hospital System,** Results presented at grand rounds. Penrose-St. Francis Hospital. June 2018  
Results presented at Mountain States Conference. SLC, Utah. May 2018

**LEADERSHIP, COMMITTEES, AND ACTIVITIES**

**Regis University School of Pharmacy** (school level)

Student Academic Affairs Committee

2022 – present

Member

**INSTITUTIONAL PRESENTATIONS**

**Remdesivir for the Treatment of Covid-19.** Journal club presented to pharmacy residents and clinical pharmacist. St. Anthony Hospital. June 2020

**Effect of Stress Ulcer Prophylaxis With Proton Pump Inhibitors vs Histamine-2 Receptor Blockers on In-Hospital Mortality Among ICU Patients Receiving Invasive Mechanical Ventilation,** Journal club debate with co-resident presented to pharmacy residents and clinical pharmacists. St. Anthony Hospital. May 2020

**Vasopressin in Septic Shock,** Journal club debate presented to surgical residents, critical care pulmonology fellow, pharmacy residents, critical care pharmacist and critical care attending. St. Anthony Hospital. March 2020

**Prevention of Early Ventilator-Associated Pneumonia after Cardiac Arrest**, Journal club presented to PharmD students, pharmacy residents, and clinical pharmacists. St. Anthony Hospital. Dec 2019

**Antithrombotic Therapy After Acute Coronary Syndrome or PCI in Atrial Fibrillation**, Journal club presented to PharmD students, pharmacy residents and clinical pharmacists. St. Anthony Hospital. Sept 2019

**Neuromuscular Blocking Agents in ARDS. A review of ACURASYS and ROSE Trials**, Journal club debate with co-resident presented to pharmacy students, pharmacy residents and clinical pharmacists. St. Anthony Hospital. July 2019.

**Residency Research Series: Biostats Review**, Research primer for PGY-1 pharmacy residents. July 2019

**Status Epilepticus**, Topic discussion to PharmD students, residents and clinical pharmacists. June 2019

**Prehospital Assessment of the Role of Adrenaline: Measuring the Effectiveness of Drug Administration in Cardiac Arrest**, Journal club presented to PharmD students, pharmacy residents and clinical pharmacists. St. Anthony Hospital. May 2019

**Ketamine infusion for pain control in adult patients with multiple rib fractures**, Journal club presented to PharmD students, pharmacy residents and clinical pharmacists. St. Anthony Hospital. March 2019

**Code Blue Policy Addendum**. Formation of policy addendum and new procedure for pharmacist involvement in code blue situations. Formal presentation to Code Blue Committee. Penrose-St. Francis Hospital. July 2018

**Common drugs in the ICU**, Presented to nursing staff for CE credit. Penrose-St. Francis Hospital. Feb 2018

**Medication Management and Bone Health**, Presented for Stepping on: Fall Prevention Group for patients. Penrose-St. Francis Hospital. Nov 2017

**Double carbapenem as a rescue strategy for the treatment of severe carbapenemase-producing *Klebsiella pneumoniae* infections: a two-center, matched case-control study**, Journal club presented to inpatient pharmacy staff and PharmD students. Penrose-St. Francis Hospital. Sept 2017

**Effect of Dexmedetomidine on Mortality and Ventilator-Free Days in Patients Requiring Mechanical Ventilation with Sepsis (DESIRE trial)**, Journal club presentation to inpatient pharmacy staff and PharmD students. Penrose-St. Francis Hospital. Aug 2017

**Ceftolozane/tazobactam (Zerbaxa)** Monograph Presentation. P&T meeting. Penrose-St. Francis Hospital. Aug 2017

#### INSTITUTIONAL SERVICE

##### **St. Anthony Hospital**

Vasopressin cost savings initiative.	April 2020
Lacosamide dispensing process improvement. Lead efforts in changing dispensing practices with lacosamide as intravenous push doses to improve efficiency.	Feb 2020
Code blue competency. Educational material developed for pharmacists system wide.	Jan 2020
Hyponatremia order set update. Developed updated treatment recommendations to be incorporated into system-wide order set.	Oct 2019
Mock code blue code cart process development. Developed policy to standardize the mock code blue medication tray to comply with hospital regulatory agencies.	Oct 2019

Research series development. Initiated curriculum and timeline for a longitudinal research series for PGY-1 Pharmacy Practice Residents, including study design, statistics, and manuscript writing.	Sep 2019
Stroke council; member.	Sept 2019 – June 2020
Diabetic ketoacidosis order set update. Developed updated treatment recommendations to be incorporated into system-wide order set.	Sep 2019
Medication use evaluation for intravenous bumetanide.	Aug 2019
Student Coordination, organized program for advanced practice pharmacy students with daily peer lead topic discussions, resident and preceptor lead presentations.	May 2019
Resuscitation committee; member and secretary.	March 2019 – June 2020
<b>Penrose-St. Francis Hospital</b>	
Leapfrog Medication Reconciliation. Formation of Medication Reconciliation audit process to comply with hospital regulation agency requirements.	June 2018
Opdivo (Nivolumab) Monograph. Completed for P&T Formulary review.	April 2018
Outpatient Pharmacy Operations; Secretary	April – June 2018
Medication use evaluation for ertapenem.	Feb 2018
Pharmacy Leadership Council; Secretary	Oct – Dec 2017
Inpatient Pharmacy Operations; Secretary	Aug – Sept 2017
Resuscitation committee member	July 2017 – June 2018
<b>Regis University School of Pharmacy</b>	
Mini multiple interview process	Feb 2020, Nov 2017
<b><u>ORGANIZATION INVOLVEMENT</u></b>	
<b>American Association of Colleges of Pharmacy</b>	Jan 2020 - present
<b>American College of Clinical Pharmacists</b>	Aug 2014 – present
Critical Care PRN Programming Committee	Oct 2017 – July 2018
<b>Society of Critical Care Medicine</b>	Aug 2019 – June 2020
<b>American Society of Health-System Pharmacists</b>	Aug 2014 – Dec 2021
<b>Rho Chi – Alpha Theta Chapter</b>	May 2015 – Aug 2017
<b>Student National Pharmaceutical Association</b>	Aug 2014 – May 2017
Social Chair	Aug 2014 – May 2016
<b>Colorado Student Society of Health-System Pharmacists</b>	Aug 2014-2017
<b><u>HONORS AND AWARDS</u></b>	
<b>Academic Dean's List:</b> University of Colorado, Skaggs School of Pharmacy and Pharmaceutical Sciences	2013-2016

**President's Award:** Metropolitan State University May 2009

**LICENSURE AND CERTIFICATIONS**

Licensed Pharmacist Oct 2017  
State of Colorado #21943 Expires: Oct 2021

Board Certified Critical Care Pharmacist Sept 2021

Board Certified Pharmacotherapy Specialist July 2019

Colorado Pharmacy Residency Teaching Certificate June 2018

ASPIRE: Residency Experience in Research June 2018

American Heart Association Advanced Cardiac Life Support Aug 2017

American Pharmacists Association Pharmacy-Based Immunization Delivery Sept 2014

American Heart Association Basic Life Support for Providers August 2013